

DERWENT-ACC-NO: 1983-26900K  
DERWENT-WEEK: 198311  
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TITLE: N-substd. urea derivs. with hydroxyl end gps. - prep'd. by reacting mono- or di-urethane glycol with corresp. aminoalcohol, used in polyurethane synthesis

INVENTOR: PETROV, G N; TSITOKHTSE, V A

PATENT-ASSIGNEE: IOSELEVICH T G[IOSEI]

PRIORITY-DATA: 1975SU-2174535 (September 19, 1975)

PATENT-FAMILY:	PUB-NO	PUB-DATE	LANGUAGE	PAGES
	MAIN-IPC			
SU 925940 B		May 7, 1982	N/A	004
	N/A			

INT-CL (IPC): C07C127/17; C07D295/18

ABSTRACTED-PUB-NO: SU 925940B

BASIC-ABSTRACT: N-substd. urea derivs. with hydroxyl end gps. are used in polyurethane synthesis as chain lengthening and structurising agents. These cpds. are prep'd. by reacting urethane glycols with amino-alcohols at elevated temp. (pref. 80-120 deg. C).

Preferred starting cpds. are mono-urethane glycols of formula:  
R<sub>1</sub>-C(=O)-NHCO<sub>2</sub>H<sub>4</sub>C<sub>1</sub>H<sub>3</sub>  
where R<sub>1</sub> is -CO<sub>2</sub>CH<sub>2</sub>OH or -OC<sub>3</sub>H<sub>6</sub>OH gps.) or diurethane glycols of formula:  
R<sub>1</sub>-R-R<sub>1</sub> (where R is -C(=O)-NH(CH<sub>2</sub>)<sub>m</sub>-NH-C(=O)- gp. if m is 2-6, or gpus. of formula (I) or (II)). The method is simple and safe.

No toxic by-prclds. are formed and preliminary purifcn. and drying of solvents is not required. Bul.17/7.5.82 (4pp)

TITLE-TERMS:  
N SUBSTITUTE UREA DERIVATIVE HYDROXYL END GROUP PREPARATION REACT MONO DI URETHANE GLYCOL CORRESPOND AMINOALCOHOL POLYURETHANE SYNTHESIS

DERWENT-CLASS: A41 E19

CPI-CODES: A01-E14; A05-G04; E07-D11; E10-A13B;

CHEMICAL-CODES:

Chemical Indexing M3 \*01\*

Fragmentation Code

F011 F014 F553 G013 G100 H212 H4 H402 H403 H404  
H482 H483 H484 H8 K0 L4 L432 L499 M280 M311  
M312 M313 M314 M315 M321 M322 M323 M331 M332 M333  
M342 M373 M383 M392 M393 M413 M414 M416 M510 M520  
M521 M530 M531 M540 M620 M720 M903 N209 N241 N261  
N303 N331 N313 Q110 Q120

UNLINKED-DERWENT-REGISTRY-NUMBERS: 0929S; 1131S

POLYMER-MULTIPUNCH-CODES-AND-KEY-SERIALS:

Key Serials: 0218 1314 1328 1336 2180 2189 2675

Multipunch Codes: 013 03& 163 169 170 175 208 24& 343 360 525 62- 725

726

SECONDARY-ACC-NO:

CPI Secondary Accession Numbers: C1983-026361

DERWENT-ACC-NO: 1980-17984C  
DERWENT-WEEK: 198010  
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TITLE: PVC shoe sole moulding compsn. - contg.  
polyester-acetal-urethane to  
improve physical and mechanical properties

INVENTOR: ARUTYUNYAN, G K H; AZROYAN, R O ; BAFALYAN, V T

PATENT-ASSIGNEE: EREV MYSIS FOOTWEAR[ERMAR]

PRIORITY-DATA: 1978SU-2582268 (February 22, 1978)

PATENT-FAMILY:

PUB-NUM	PUB-DATE	LANGUAGE	PAGES
MAIN-IPC SU 670589 A	June 30, 1979	N/A	000
H A			

INT-CL (IPC): C08L027/06; C08L075/10

REFRACTED-PUB-NO: SU 670589A

BASIC-ABSTRACT: PVC shoe sole moulding compsn. contains  
polyester-acetal-urethane (I) to improve physical-mechanical  
properties. The  
proposed compsn. is (wt.%): PVC (e.g. suspension resin S-70 or emulsion  
resin  
E-62 and E-66) 47-50%; plasticiser (e.g. stearin, dioctylphthalate,  
alkylphtha  
late or mixt.) 34-36; (I) (migration copolymer of urethane glycol and  
diol  
divinyl ether in presence of chain lengthener; characteristic visc. in  
dioxan  
0.45-0.57; soluble content 85%) 10-15; stabiliser (e.g. Ca-stearate,  
Ba-stearate etc.) 1-2; pigment (e.g. carbon black, TiO<sub>2</sub>, Fe<sub>3</sub>O<sub>4</sub> etc.) to  
10%.

TITLE-TERMS:

PVC SHOE SOLE MOULD COMPOSITION CONTAIN POLYESTER ACETAL URETHANE  
IMPROVE  
PHYSICAL MECHANICAL PROPERTIES

ADDL-INDEXING-TERMS:  
POLYVINYL CHLORIDE

DERWENT-CLASS: A14 A23 A25 A83

CPI-CODES: A04-E02E; A05-H; A07-A04E; A08-P01; A12-C04;

POLYMER-MULTIPUNCH-CODES-AND-KEY-SERIALS:

Key Serials: 0007 0008 0012 0060 0072 0105 0153 0209 0214 0222 0224  
0261 0759  
1218 1279 1301 1329 2208 2209 2210 2231 2232 2236 2237 2259 2267 2319

2321 2559

2575 2601 2617 2622 2657 2670 2713

Multipunch Codes: 011 027 030 031 04- 06- 061 062 063 07& 07- 075 08&

36 134

147 15- 150 165 169 17- 170 18- 208 305 306 307 311 315 329 331 337 342

35- 351

364 365 398 44& 45- 46- 504 512 532 537 541 547 551 556 560 561 597 598

619 620

688 725 726

DERWENT-ACC-NO: 1979-43642B  
DERWENT-WEEK: 197923  
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TITLE: Cellulose ether adhesive for radio technology - contg. acrylic! resin,  
polyester-acetal!-urethane!, rosin ester, plasticiser and solvent to increase bond strength and setting

INVENTOR: DZHULAKYAN, R L; MOVSISYAN, G V

PATENT-ASSIGNEE: MELNIKOVA V S [MELNI]

PRIORITY-DATE: 1977SU-2447291 (January 26, 1977)

PATENT-FAMILY:

PUB-NO	PUB-DATE	LANGUAGE	PAGES
MAIN-IPC SU 618396 A	June 30, 1978	N/A	000
N/A			

INT-CL (IPC): C09J003/14

ABSTRACTED-PUB-NO: SU 618396A

BASIC-ABSTRACT: The adhesive for combining fabric, paper, carton, steel etc and/or coatings etc. contains polyesteracetalurethane (I) to increase bond strength (by 2-3 fold) and lower setting time (by 2-2.5 fold).

The adhesive compsn. is (wt.%): acrylic polymer (e.g. polyisobutylacrylate, polybutylmethacrylate) 3-6; cellulose ether (e.g. ethylcellulose LK, LM) 6-12; (I) 1.5-3; rosin ester (e.g. glyceryl, phenyl-glycidyl) 5.5-10.5; plasticiser (e.g. phthalate, epoxidised soya oil) 3.5-6.5; solvent (e.g. acetone, ethylacetate and alcohol) to 100.

(I) is migratory copolymer of urethane glycol with divinyl dian ester 1. presence of polyester chain propagator with OH end-grps.

TITLE-TERMS:

CELLULOSE ETHER ADHESIVE RADIO TECHNOLOGY CONTAIN POLYACRYLIC RESIN POLYESTER POLYACETAL POLYURETHANE ROSIN ESTER PLASTICISED SOLVENT INCREASE BOND STRENGTH SET

DERWENT-CLASS: A11 A81 A87 F06 G03

CPI-CODES: A03-A04A; A04-F06E1; A05-J; A08-M01B; A12-A05A; A12-A05B; F03-D01;

F05-A06; G03-B02A; G03-B02D; G03-B02E;

POLYMER-MULTIPUNCH-CODES-AND-KEY-SERIALS:

Key Serials: 0012 0016 0036 0218 0222 0231 0493 0528 0549 1218 1279  
1294 1396  
1981 1985 1999 2231 2232 2236 2307 2318 2507 2659 2682 2723 2725 2728  
2743  
Multipunch Codes: 011 027 04- 040 051 074 075 076 081 092 134 147 150  
151 154  
165 231 239 240 252 255 303 311 315 316 332 336 398 440 442 45- 47& 477  
597 600  
609 623 627 681 688 722 726